

ENERGY EFFICIENT INFRARED HEATING



ROBERTS GORDON[®]
The Exclusive Producer of **CO₂RAYVAC[®]**

www.robertsgordon.com

For decades, **ROBERTS GORDON®** has delivered high performance heating systems tailored to meet various building sizes, types or climates! Our range of burners, reflectors and controls make this possible.

ROBERTS GORDON® CORAYVAC™

CORAYVAC® is the premier heating system in the industry.

Featuring a unique burners-in-series design that maximizes fuel savings, and comfort. Able to be custom designed in an endless amount of configurations, CORAYVAC® is the ideal heating solution!

- Multiple burners per pump allow for fewer building penetrations.
- Zero pressure regulator design provides the ability to achieve the highest levels of comfort and energy savings through modulation
- Burner-in-series design provides even heat distribution at lower tube temperatures reducing clearances to combustibles, while increasing thermal efficiency.



GORDONRAY®

Cost-effective heating solutions for simple applications - BH & DF

- Light-weight burner enclosure features a hinged door for easy serviceability
- Durable internal components provide long-lasting operation
- Two-stage DF operates at high or low fire depending on the call for heat
- External LED burner status lights indicate DF operating status (high or low fire)

Tested to the new AHRI 1330 standard, our industry leading deep-dish wide reflectors combined with our highly emissive heat exchanger provides the highest efficiency rating in the industry!

All ROBERTS GORDON® burners feature:

- Steel burners with powder coated finish for long-lasting performance
- Diagnostic capabilities for ease of troubleshooting and service
- Separate combustion air compartment to keep dirt and debris away from electrical controls



Modulating Unitary Heater - CTH3

The industry's first modulating unitary heater features unique fuel/air linkage technology that modulates fuel and combustion air for increased efficiency.

- Pre-programmed onboard control carries an advanced algorithm to improve performance during each firing cycle
- Sealed burner enclosure provides added protection for internal components

Modulating Patio Heater - HEM

With the ability to modulate manually or automatically, the VANTAGE® Modulating HEM provides a solution to maintain high comfort for outdoor patio heating applications despite cooler or even milder temperatures. By keeping your customers comfortable, this unique feature will extend your patio season.

- Pre-programmed onboard control carries an advanced algorithm to improve performance during each firing cycle
- Sealed burner enclosure provides added protection for internal components



Negative Pressure Unitary or Multi-End Burner - CTHN

Uniform tube temperatures provides even heat distribution

- Operate as a standalone unitary heater or connect multiple heaters to a common manifold to form a multi-end burner vacuum system
- Reduced building penetrations and installations costs as a result of multiple burners connected to a single vacuum pump

VANTAGE® ROBERTS GORDON®



Twin Fire Unitary Heater - TF

Ideal for space heating or high heat-loss applications. Only unitary heater on the market that incorporates two heaters into one!

- Reduced installation cost with highest BTU inputs in the industry up to 380,000 BTU/h
- Frees up valuable working space with lowest clearances to combustibles, relative to total heater input
- Centralized burner provides the most effective heat distribution in the market

Harsh Environment Unitary Heater - HEV

Ideal for extreme conditions! The HEV heater features single stage operation making it ideal for harsh environments such as car washes, or outdoor walk ways.

- Indoor and outdoor approval
- Handles up to a 40 MPH wind

Premium Quality Unitary Heater - CTH2V

Incorporates a robust burner enclosure that provides long-lasting durability for industrial/commercial applications

- Convenient external low voltage thermostat connection for easy installation
- Combustion air intake collar, external LED burner status light, and much more!

Key: ✓ Available - Not Available Specifiable Feature in Red	COMPACT™		VANTAGE®							CORAYVAC®
	DF	BH	CTH3	HEM	TF	HEV	CTH2V	CTHN Unitary	CTHN Multi-Burner	CRV
Two-Stage Operation	✓	-	-	-	-	-	-	-	-	-
Burner In-Series Custom Design	-	-	-	-	-	-	-	-	-	✓
Multi-End Burner Vacuum System	-	-	-	-	-	-	-	-	✓	✓
Heating Control Compatible	-	-	-	-	-	-	-	-	✓	✓
Negative Pressure Burner	-	-	-	-	-	-	-	✓	✓	✓
Modulating Technology	-	-	✓	✓	-	-	-	-	-	✓
Sealed Burner Enclosure	-	-	✓	✓	✓	✓	✓	✓	✓	✓
Modulating Control Compatible	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
High Efficiency Aluminum Reflectors	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Standard Aluminum Reflectors	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Standard Stainless Steel Reflectors	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Single Stage Operation	-	✓	-	-	✓	✓	✓	✓	✓	✓
Diagnostic Capabilities	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Burner Status LED	✓	-	-	-	✓	✓	✓	-	✓*	✓*
Separate Combustion Air Compartment	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Direct Spark Ignition	✓	✓	-	-	✓	✓	✓	✓	✓	✓
24V Thermostat Connection	✓	-	✓	✓	-	✓	✓	-	-	✓*
Provides Power to 24v Thermostat	✓	-	-	-	-	✓	✓	-	-	-
Dual Burners	-	-	-	-	✓	-	-	-	-	-
Hot Surface Ignition	-	-	✓	✓	-	-	-	-	-	-
Positive Pressure Burner	✓	✓	✓	✓	✓	✓	✓	-	-	-
Outdoor Approval	-	-	-	✓	-	✓	-	-	-	-

*Located on control panel

The right solution from unitary heaters for spot heating to custom systems for large facilities!
Warehouses • Auto Dealerships and Repair Shops • Loading Docks • Recreational Facilities
Aircraft Hangars • Greenhouses • Manufacturing Plants and Assembly Areas
Agricultural Facilities (Poultry, Greenhouses) • Firehouses

Roberts-Gordon's modulating controls take efficiency to the next level!

CORAYVAC® Modulating Heating Control provides custom control of CORAYVAC®!

With an **Infrared Factor as high as 15***, and increased thermal efficiency from modulation, this control produces the most energy efficient, low-intensity infrared heating product in the industry and is the best way to heat your facility!

CORAYVAC® burners feature a unique zero pressure regulator that allows vacuum pressure to control firing rate. Capable of operating two systems and four zones, the **CORAYVAC®** Modulating Control compares indoor and outdoor temperatures to the set point, then adjusts vacuum pressure depending on the call for heat. Modulation based on outdoor and indoor temperatures ensures precise modulation and maximum efficiency.

*Rated in accordance with AHRI Standard 1330



For unitary heaters, the **ROBERTS GORDON® COMPLETE™ Modulating Heating Control** ties all heaters into a single control panel. This control can act as a standalone control, or tie directly into the **CORAYVAC®** Modulating Heating Control to monitor or adjust all of your **ROBERTS GORDON®** heating systems from a single access point.



Both controls:

- Compare indoor and outdoor air temperatures for efficient modulation. Roberts-Gordon is the only manufacturer with controls that sense outdoor temperature making the system truly understand the entire heat requirement
- Incorporate easy-to-use touch screens
- Provide convenient access to check building status via any smart device with wireless or off-site connectivity

Ideal for on/off heating systems, the **CORAYVAC® Heating Control** is a simple way to control **CORAYVAC®** via zone thermostats.

- Capable of operating two systems and four zones
- Ready-to-go right out of the box, no need for installation programming
- Panel indicator lights provide heating system operation status
- NEMA 1 rated enclosure provides additional durability in dirty environments



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